Inventor(s): Kai Goebel et al.

Docket No.: 130817 Attorney: A. Agosti

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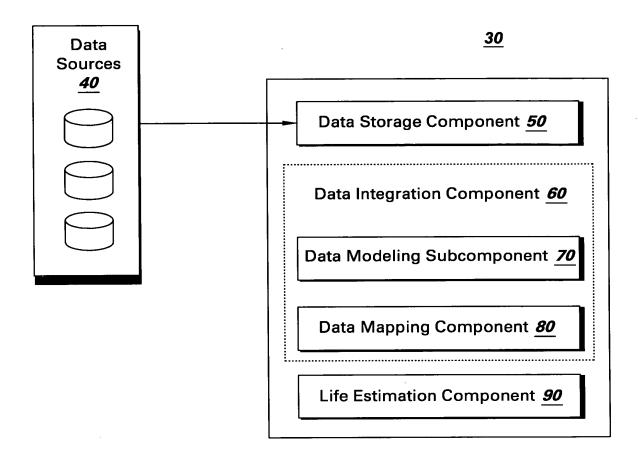
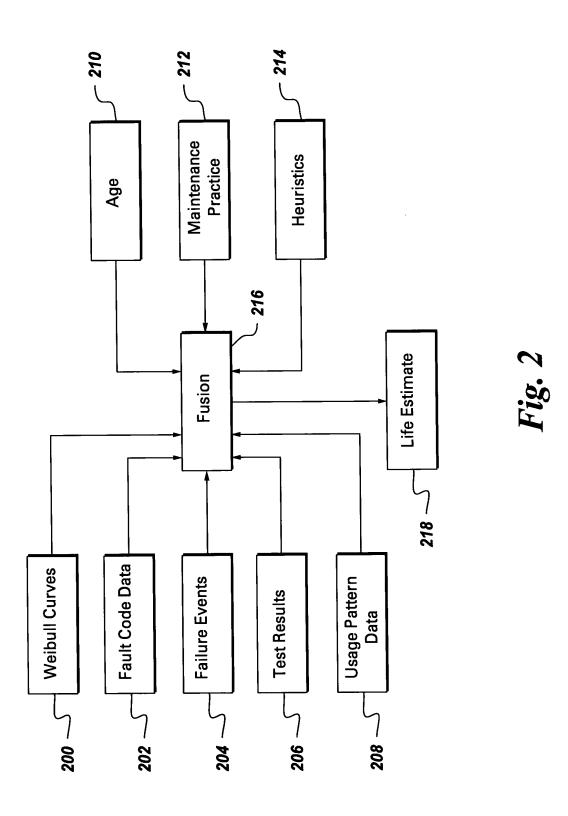


Fig. 1

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Docket No.: 130817 Attorney: A. Agosti Telephone: (518) 387-7713 3/6 Start 300 Collect age data, fault code data, and usage pattern data relating to parameters 302 Map fault code data to fault code to age adjustment index 304 Map usage pattern data to usage to age adjustment index 306 Estimate age adjustment state 308 Fuse age data and the age adjustment state 310 Determine unified age adjustment value indicative of the remaining equipment life 312 Stop

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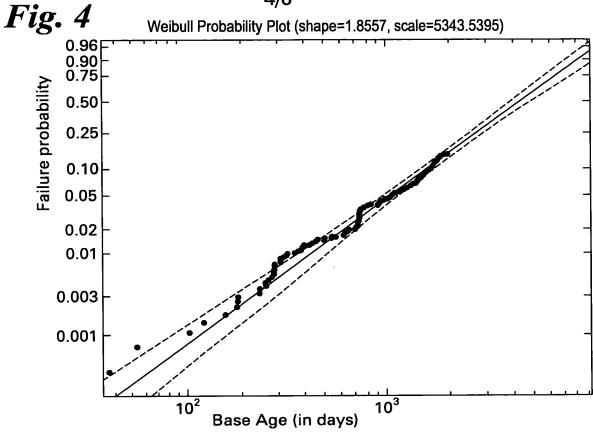
Inventor(s): Kai Goebel et al.

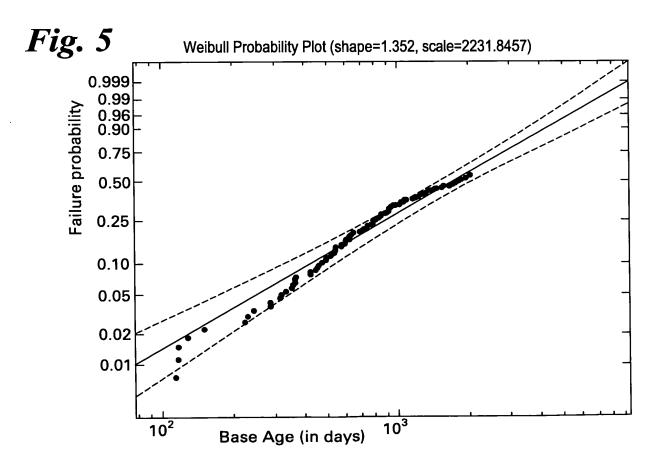
Fig. 3

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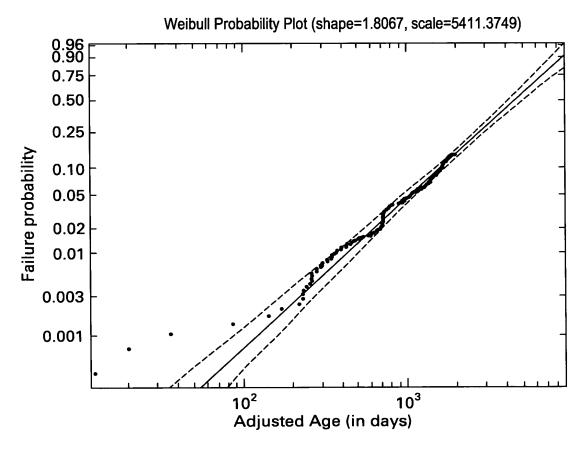
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Fig. 6

**Table 1: Age Weibull Values** 

			Sum	% w/in	
			Squared Conf.		
Weibull	Shape/Beta	Scale/Alpha	Errors	Limits	
Comp 1	1.86	5343.54	8.52	84.25 %	
Comp 2	1.35	2231.85	5.85	90.27%	

*Fig.* 7



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Fig. 8



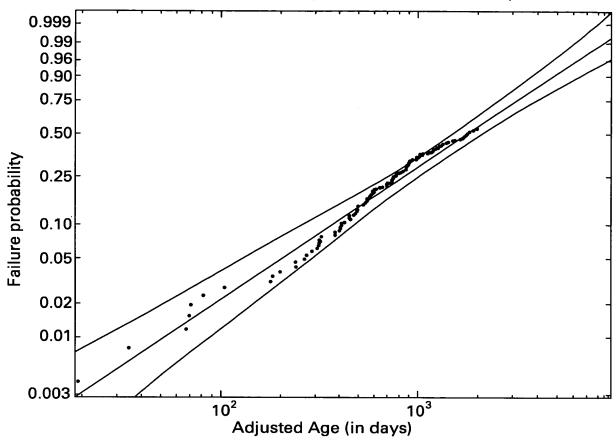


Fig. 9

**Table 2: Weibull Analysis** 

		_	
Stress Variable		SSE	% w/in Conf. Limits
Component 1	Age	8.52	84.25 %
	Adjusted Age	5.24	95.86 %
Component 2	Age	5.85	90.27 %
	Adjusted Age	1.45	100.00 %